



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 115512

TO: Abdel Mohamed
Location: REM-3C70
Art Unit: 1653
Friday, March 19, 2004

Case Serial Number: 09/857115

From: Toby Port
Location: Biotech-Chem Library
REM 1A59
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Search Notes

Searches run against the **Published_Applications_AA** database on any Compugen machine between Feb 18 – Mar 16, 2004 had incomplete results.

The incomplete results were due to problem with the program that moves new applications into the **Published_Applications_AA** database. This problem was detected and corrected on Mar 17, 2004.

We have determined that a search was done for you on case in the **Published_Applications_AA** database between Feb 18 – Mar 16, 2004. This search has been rerun. The new results are attached.

STIC Database tracking # *115572* original search completed

3/3/04

Result No.	Score		Query Match	Length	DB	ID	Description
1	70	95.9	10	15	US-10-360-101-2	Sequence 2, Appli	
2	70	95.9	10	15	US-10-360-101-303	Sequence 303, App	
3	70	95.9	10	15	US-10-360-101-304	Sequence 304, App	
4	68	93.2	10	15	US-10-617-561-18	Sequence 18, Appl	
5	66	90.4	10	9	US-09-941-094A-2	Sequence 2, Appli	
6	63	86.3	10	15	US-10-360-101-144	Sequence 144, App	
7	62	84.9	10	13	US-10-109-331-5	Sequence 5, Appli	
8	62	84.9	10	15	US-10-170-096A-32	Sequence 32, Appl	
9	61	83.6	10	15	US-10-360-101-153	Sequence 153, App	
10	61	83.6	10	15	US-10-360-101-308	Sequence 308, App	
11	60	82.2	10	15	US-10-360-101-114	Sequence 114, App	
12	60	82.2	10	15	US-10-360-101-154	Sequence 154, App	
13	57	78.1	10	15	US-10-360-101-307	Sequence 307, App	
14	57	78.1	10	15	US-10-360-101-309	Sequence 309, App	
15	56	76.7	10	15	US-10-360-101-146	Sequence 146, App	

89	42	57.5	10	14	US-10-351-641-1344	Sequence 1344, Ap	162	39	53.4	10	16	US-10-298-851-4	Sequence 4, Appli
90	42	57.5	10	15	US-10-360-101-1	Sequence 1, Appli	163	39	53.4	16	9	US-09-916-940-89	Sequence 89, Appli
91	42	57.5	10	15	US-10-360-101-126	Sequence 126, App	164	39	53.4	16	14	US-10-096-550-89	Sequence 89, Appli
92	42	57.5	10	15	US-10-360-101-136	Sequence 136, App	165	39	53.4	59	9	US-09-764-877-1251	Sequence 1251, Ap
93	42	57.5	10	15	US-10-360-101-239	Sequence 239, App	166	39	53.4	59	15	US-10-242-515-1251	Sequence 1251, Ap
94	42	57.5	10	15	US-10-617-561-9	Sequence 9, Appli	167	39	53.4	69	10	US-09-809-391-617	Sequence 617, App
95	42	57.5	11	13	US-10-044-034-17	Sequence 17, Appli	168	39	53.4	69	10	US-09-882-171-617	Sequence 22861, Ap
96	42	57.5	11	13	US-10-351-641-1146	Sequence 1146, Ap	169	39	53.4	75	12	US-10-424-599-222861	Sequence 222861, Ap
97	42	57.5	18	14	US-10-351-641-1147	Sequence 1147, Ap	170	39	53.4	127	12	US-10-424-599-17171	Sequence 17171, Ap
98	42	57.5	18	14	US-10-351-641-1148	Sequence 1148, Ap	171	39	53.4	162	15	US-10-264-237-2532	Sequence 2532, Ap
99	42	57.5	18	14	US-10-351-641-1172	Sequence 1172, Ap	172	39	53.4	163	15	US-10-131-487A-188	Sequence 188, App
100	42	57.5	18	14	US-10-351-641-1173	Sequence 1173, Ap	173	39	53.4	163	15	US-10-131-487A-188	Sequence 188, App
101	42	57.5	20	10	US-09-964-201A-26	Sequence 26, Appli	174	39	53.4	204	12	US-10-425-114-54068	Sequence 54068, A
102	42	57.5	22	14	US-10-351-641-1145	Sequence 1145, Ap	175	39	53.4	204	12	US-10-425-114-54068	Sequence 54068, A
103	42	57.5	26	14	US-10-351-641-1147	Sequence 1147, Ap	176	39	53.4	232	12	US-10-425-114-62251	Sequence 62251, A
104	42	57.5	33	15	US-10-617-561-3	Sequence 3, Appli	177	39	53.4	347	12	US-10-425-114-70687	Sequence 70687, A
105	42	57.5	33	15	US-10-617-561-4	Sequence 4, Appli	178	39	53.4	353	12	US-10-425-114-72738	Sequence 72738, A
106	42	57.5	40	10	US-09-964-201A-35	Sequence 35, Appli	179	39	53.4	358	12	US-10-424-599-222904	Sequence 222904, Ap
107	42	57.5	41	10	US-09-964-201A-34	Sequence 34, Appli	180	39	53.4	380	14	US-10-017-161-2010	Sequence 2010, Ap
108	42	57.5	43	9	US-09-019-010-4	Sequence 4, Appli	181	39	53.4	380	14	US-10-292-798-1656	Sequence 1656, Ap
109	42	57.5	49	10	US-09-305-924-11	Sequence 11, Appli	182	39	53.4	406	12	US-10-425-114-59511	Sequence 59511, A
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111	42	57.5	158	14	US-10-097-340-33	Sequence 33, Appli	184	39	53.4	431	12	US-10-425-114-48475	Sequence 48475, A
112	42	57.5	171	9	US-09-843-846-17	Sequence 17, Appli	185	39	53.4	468	14	US-10-032-585-7824	Sequence 7824, Ap
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114	42	57.5	171	14	US-10-197-666A-86	Sequence 86, Appli	187	39	53.4	601	12	US-10-282-122A-67868	Sequence 67868, A
115	42	57.5	171	14	US-10-247-671-138	Sequence 138, App	188	38.5	52.7	286	10	US-10-282-122A-69603	Sequence 69603, A
116	42	57.5	221	9	US-09-925-299-967	Sequence 967, App	189	38.5	52.7	286	10	US-09-910-600-14	Sequence 14, Appli
117	42	57.5	221	10	US-09-925-299-967	Sequence 967, App	190	38.5	52.7	463	10	US-09-910-600-13	Sequence 13, Appli
118	42	57.5	226	12	US-10-425-114-56780	Sequence 56780, A	191	38.5	52.7	463	10	US-09-946-374-160	Sequence 160, App
119	42	57.5	333	15	US-10-369-493-21171	Sequence 21171, A	192	38.5	52.7	463	12	US-10-206-915-286	Sequence 286, App
120	42	57.5	695	10	US-09-305-924-13	Sequence 13, Appli	193	38.5	52.7	463	12	US-10-399-670-286	Sequence 286, App
121	41	56.2	9	13	US-10-109-331-6	Sequence 6, Appli	194	38.5	52.7	463	13	US-10-006-967-86	Sequence 86, App
122	41	56.2	9	13	US-10-109-331-10	Sequence 10, Appli	195	38.5	52.7	463	13	US-10-052-586-286	Sequence 286, App
123	41	56.2	9	13	US-10-109-331-14	Sequence 14, Appli	196	38.5	52.7	463	14	US-10-063-547-86	Sequence 86, Appli
124	41	56.2	9	13	US-10-109-331-16	Sequence 16, Appli	197	38.5	52.7	463	14	US-10-174-590-286	Sequence 286, App
125	41	56.2	9	13	US-10-109-331-18	Sequence 18, Appli	198	38.5	52.7	463	14	US-10-176-758-286	Sequence 286, App
126	41	56.2	9	13	US-10-109-331-22	Sequence 22, Appli	199	38.5	52.7	463	14	US-10-175-738-286	Sequence 286, App
127	41	56.2	9	13	US-10-109-331-24	Sequence 24, Appli	200	38.5	52.7	463	14	US-10-173-706-286	Sequence 286, App
128	41	56.2	9	13	US-10-109-331-26	Sequence 26, Appli	201	38.5	52.7	463	14	US-10-175-738-286	Sequence 286, App
129	41	56.2	9	13	US-10-109-331-28	Sequence 28, Appli	202	38.5	52.7	463	14	US-10-175-752-286	Sequence 286, App
130	41	56.2	9	13	US-10-109-331-30	Sequence 30, Appli	203	38.5	52.7	463	14	US-10-176-482-286	Sequence 286, App
131	41	56.2	10	15	US-10-617-561-17	Sequence 17, Appli	204	38.5	52.7	463	14	US-10-176-482-286	Sequence 286, App
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133	41	56.2	474	9	US-09-738-626-6662	Sequence 6662, Ap	206	38.5	52.7	463	14	US-10-176-913-286	Sequence 286, App
134	40	54.8	19608	15	US-10-084-846A-8	Sequence 8, Appli	207	38.5	52.7	463	14	US-10-180-557-286	Sequence 286, App
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136	40	54.8	10	9	US-09-810-601-1	Sequence 1, Appli	209	38.5	52.7	463	14	US-10-063-502-86	Sequence 86, Appli
137	40	54.8	10	10	US-09-305-924-1	Sequence 1, Appli	210	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
138	40	54.8	10	15	US-10-170-096A-30	Sequence 30, Appli	211	38.5	52.7	463	14	US-10-174-572-286	Sequence 286, App
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142	40	54.8	16	10	US-09-305-924-5	Sequence 5, Appli	215	38.5	52.7	463	14	US-10-174-588-286	Sequence 286, App
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149	40	54.8	47	9	US-09-848-834A-17	Sequence 17, Appli	222	38.5	52.7	463	14	US-10-176-985-286	Sequence 286, App
150	40	54.8	50	9	US-09-848-834A-18	Sequence 18, Appli	223	38.5	52.7	463	14	US-10-176-987-286	Sequence 286, App
151	40	54.8	51	9	US-09-848-834A-20	Sequence 20, Appli	224	38.5	52.7	463	14	US-10-176-992-286	Sequence 286, App
152	40	54.8	165	14	US-10-097-111-319	Sequence 319, App	225	38.5	52.7	463	14	US-10-176-993-286	Sequence 286, App
153	40	54.8	255	14	US-10-162-639-4	Sequence 4, Appli	226	38.5	52.7	463	14	US-10-176-993-286	Sequence 286, App
154	40	54.8	295	12	US-10-424-599-165356	Sequence 165356, A	227	38.5	52.7	463	14	US-10-184-658-286	Sequence 286, App
155	40	54.8	307	9	US-09-864-761-36802	Sequence 36802, A	228	38.5	52.7	463	14	US-10-176-991-286	Sequence 286, App
156	40	54.8	321	15	US-10-364-049-2559	Sequence 2559, Ap	229	38.5	52.7	463	14	US-10-173-695-286	Sequence 286, App
157	40	54.8	417	15	US-10-369-493-4987	Sequence 4987, Ap	230	38.5	52.7	463	14	US-10-173-697-286	Sequence 286, App
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236	38.5	52.7	463	14	US-10-176-485-286	Sequence 286, App	309	38.5	52.7	463	14	US-10-188-769-286	Sequence 286, App
237	38.5	52.7	463	14	US-10-176-487-286	Sequence 286, App	310	38.5	52.7	463	14	US-10-188-770-286	Sequence 286, App
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242	38.5	52.7	463	14	US-10-176-925-286	Sequence 286, App	315	38.5	52.7	463	14	US-10-195-897-286	Sequence 286, App
243	38.5	52.7	463	14	US-10-176-978-286	Sequence 286, App	316	38.5	52.7	463	14	US-10-195-901-286	Sequence 286, App
244	38.5	52.7	463	14	US-10-179-510-286	Sequence 286, App	317	38.5	52.7	463	14	US-10-195-903-286	Sequence 286, App
245	38.5	52.7	463	14	US-10-180-543-286	Sequence 286, App	318	38.5	52.7	463	14	US-10-196-743-286	Sequence 286, App
246	38.5	52.7	463	14	US-10-180-544-286	Sequence 286, App	319	38.5	52.7	463	14	US-10-196-760-286	Sequence 286, App
247	38.5	52.7	463	14	US-10-180-546-286	Sequence 286, App	320	38.5	52.7	463	14	US-10-173-708-286	Sequence 286, App
248	38.5	52.7	463	14	US-10-180-547-286	Sequence 286, App	321	38.5	52.7	463	14	US-10-176-479-286	Sequence 286, App
249	38.5	52.7	463	14	US-10-180-549-286	Sequence 286, App	322	38.5	52.7	463	14	US-10-176-748-286	Sequence 286, App
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254	38.5	52.7	463	14	US-10-183-012-286	Sequence 286, App	327	38.5	52.7	463	14	US-10-180-545-286	Sequence 286, App
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256	38.5	52.7	463	14	US-10-184-623-286	Sequence 286, App	329	38.5	52.7	463	14	US-10-183-008-286	Sequence 286, App
257	38.5	52.7	463	14	US-10-184-635-286	Sequence 286, App	330	38.5	52.7	463	14	US-10-183-017-286	Sequence 286, App
258	38.5	52.7	463	14	US-10-184-637-286	Sequence 286, App	331	38.5	52.7	463	14	US-10-183-019-286	Sequence 286, App
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444 38.5 52.7 463 14 US-10-205-507-286 Sequence 286, App
445 38.5 52.7 463 14 US-10-205-511-286 Sequence 286, App
446 38.5 52.7 463 14 US-10-205-902-286 Sequence 286, App
447 38.5 52.7 463 14 US-10-205-907-286 Sequence 286, App
448 38.5 52.7 463 14 US-10-194-456-286 Sequence 286, App
449 38.5 52.7 463 14 US-10-196-758-286 Sequence 286, App
450 38.5 52.7 463 14 US-10-198-770-286 Sequence 286, App
451 38.5 52.7 463 14 US-10-199-308-286 Sequence 286, App
452 38.5 52.7 463 14 US-10-200-617-286 Sequence 286, App
453 38.5 52.7 463 14 US-10-205-893-286 Sequence 286, App
454 38.5 52.7 463 14 US-10-205-897-286 Sequence 286, App
455 38.5 52.7 463 14 US-10-196-754-286 Sequence 286, App
456 38.5 52.7 463 14 US-10-174-571-286 Sequence 286, App
457 38.5 52.7 463 14 US-10-176-748-286 Sequence 286, App
458 38.5 52.7 463 14 US-10-176-923-286 Sequence 286, App
459 38.5 52.7 463 14 US-10-183-011-286 Sequence 286, App
460 38.5 52.7 463 14 US-10-184-633-286 Sequence 286, App
461 38.5 52.7 463 14 US-10-184-639-286 Sequence 286, App
462 38.5 52.7 463 14 US-10-187-743-286 Sequence 286, App
463 38.5 52.7 463 14 US-10-187-748-286 Sequence 286, App
464 38.5 52.7 463 14 US-10-188-768-286 Sequence 286, App
465 38.5 52.7 463 14 US-10-188-771-286 Sequence 286, App
466 38.5 52.7 463 14 US-10-192-006-286 Sequence 286, App
467 38.5 52.7 463 14 US-10-192-008-286 Sequence 286, App
468 38.5 52.7 463 14 US-10-192-009-286 Sequence 286, App
469 38.5 52.7 463 14 US-10-192-013-286 Sequence 286, App
470 38.5 52.7 463 14 US-10-192-014-286 Sequence 286, App
471 38.5 52.7 463 14 US-10-192-016-286 Sequence 286, App
472 38.5 52.7 463 14 US-10-194-362-286 Sequence 286, App
473 38.5 52.7 463 14 US-10-194-364-286 Sequence 286, App
474 38.5 52.7 463 14 US-10-194-395-286 Sequence 286, App
475 38.5 52.7 463 14 US-10-194-424-286 Sequence 286, App
476 38.5 52.7 463 14 US-10-194-458-286 Sequence 286, App
477 38.5 52.7 463 14 US-10-194-459-286 Sequence 286, App
478 38.5 52.7 463 14 US-10-194-488-286 Sequence 286, App
479 38.5 52.7 463 14 US-10-195-886-286 Sequence 286, App
480 38.5 52.7 463 14 US-10-195-891-286 Sequence 286, App
481 38.5 52.7 463 14 US-10-196-746-286 Sequence 286, App
482 38.5 52.7 463 14 US-10-196-752-286 Sequence 286, App
483 38.5 52.7 463 14 US-10-196-753-286 Sequence 286, App
484 38.5 52.7 463 14 US-10-196-761-286 Sequence 286, App
485 38.5 52.7 463 14 US-10-197-692-286 Sequence 286, App
486 38.5 52.7 463 14 US-10-197-693-286 Sequence 286, App
487 38.5 52.7 463 14 US-10-197-696-286 Sequence 286, App
488 38.5 52.7 463 14 US-10-197-698-286 Sequence 286, App
489 38.5 52.7 463 14 US-10-197-703-286 Sequence 286, App
490 38.5 52.7 463 14 US-10-197-711-286 Sequence 286, App
491 38.5 52.7 463 14 US-10-198-757-286 Sequence 286, App
492 38.5 52.7 463 14 US-10-198-761-286 Sequence 286, App
493 38.5 52.7 463 14 US-10-198-762-286 Sequence 286, App
494 38.5 52.7 463 14 US-10-198-763-286 Sequence 286, App
495 38.5 52.7 463 14 US-10-198-767-286 Sequence 286, App
496 38.5 52.7 463 14 US-10-199-301-286 Sequence 286, App
497 38.5 52.7 463 14 US-10-199-307-286 Sequence 286, App
498 38.5 52.7 463 14 US-10-199-313-286 Sequence 286, App
499 38.5 52.7 463 14 US-10-199-315-286 Sequence 286, App
500 38.5 52.7 463 14 US-10-015-480A-160 Sequence 160, App
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ALIGNMENTS

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RESULT 1
US-10-360-101-2
; Sequence 2, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LRRH2 sequence
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US-10-360-101-2

Query Match 95.9%; Score 70; DB 15; Length 10;
Best Local Similarity 90.0%; Pred. No. 0.0051;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EHWSHGWYPG 10
:|||||
Db 1 QHWSHGWPY 10

RESULT 2

US-10-360-101-303
; Sequence 303, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 303
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH1 analogue
; NAME/KEY: SITE
; LOCATION: (4)...(6)
; OTHER INFORMATION: No. US20040009550A1e = "A" on pos. 4 and 6 are linked by "S"
US-10-360-101-303

Query Match 95.9%; Score 70; DB 15; Length 10;
Best Local Similarity 90.0%; Pred. No. 0.0051;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EHWSHGWYPG 10
:|||||
Db 1 QHWSHGWPY 10

RESULT 3

US-10-360-101-304
; Sequence 304, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 304
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH2 analogue
US-10-360-101-304

Query Match 95.9%; Score 70; DB 15; Length 10;
Best Local Similarity 90.0%; Pred. No. 0.0051;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EHWSHGWYPG 10
:|||||
Db 1 QHWSHGWPY 10

RESULT 4

US-10-617-561-18
; Sequence 18, Application US/10617561
; Publication No. US20040018967A1
; GENERAL INFORMATION:
; APPLICANT: La. State Univ. & Mech. Coll., Board of Supervisors
; Applicant: Frederick M.
; Applicant: Jaynes, Jesse M.
; Applicant: Hansel, William
; Applicant: Koonce, Kenneth L.
; Applicant: McCann, Samuel M.
; Applicant: Yu, Wen H.
; Applicant: Melrose, Patricia A.
; Applicant: Foil, Lane D.
; Applicant: Elzer, Philip H.
; TITLE OF INVENTION: Ligand/Lytic Peptide Compositions and Methods of Use
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. Runnels
; STREET: P. O. Box 2471
; CITY: Baton Rouge
; STATE: LA
; COUNTRY: USA
; ZIP: 70821-2471
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/617,561
; FILING DATE: 11-Jul-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/381,879
; FILING DATE: 25-Aug-1999
; ATTORNEY/AGENT INFORMATION:
; NAME: Runnels, John H.
; REGISTRATION NUMBER: 33,451
; REFERENCE/DOCKET NUMBER: 96A3 2-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..10
; OTHER INFORMATION: /note= "Xaa in position 1 denotes pyro-glutamic acid. This sequence is chicken II GnrH."
; SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-10-617-561-18

Query Match 93.2%; Score 68; DB 15; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0095;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 HWSHGWPY 10
:|||||
Db 2 HWSHGWPY 10

```
RESULT 5
US-09-941-094A-2
; Sequence 2, Application US/09941094A
; Patent No. US20020065226A1
; GENERAL INFORMATION:
; APPLICANT: Siler-Khodr, Theresa M.
; TITLE OF INVENTION: No. US20020065226A1-Mammalian GnRH Analogs and Uses Thereof in Re
; TITLE OF INVENTION: Pregnancy
; FILE REFERENCE: P7345.2(CIP)
; CURRENT APPLICATION NUMBER: US/09/941,094A
; CURRENT FILING DATE: 2001-08-28
; PRIOR APPLICATION NUMBER: US 09/419,161
; PRIOR FILING DATE: 1999-10-15
; NUMBER OF SEQ ID NOS: 4
; SEQ ID NO 2
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Gallus gallus
; FEATURE:
; NAME/KEY: mat peptide
; LOCATION: Within brain mRNA 121-150, within brain gene 2174-2203.
; OTHER INFORMATION: MOD_RES substitution of Gly residue at 10 by aza-Gly-NH2. Xaa re
; OTHER INFORMATION: D-Arg. MOD_RES Glu at position 1 is pyroglutamic acid.
US-09-941-094A-2

Query Match      90.4%; Score 66; DB 9; Length 10;
Best Local Similarity 90.0%; Pred. No. 0.017;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 EHWSHGWYPG 10
   |||||
Db 1 EHWSHXWYPG 10

RESULT 6
US-10-360-101-144
; Sequence 144, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 144
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (S1,C4)-sequence of LHRH2
US-10-360-101-144

Query Match      86.3%; Score 63; DB 15; Length 10;
Best Local Similarity 88.9%; Pred. No. 0.043;
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 HWSHGWPY 10
   |||||
Db 2 HWSHGWPY 10

RESULT 7
US-10-109-331-5
; Sequence 5, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
```

```
Yu, Wen H.
TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESS: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25;
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/297,989
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REGISTRATION NUMBER: 33451
REFERENCE/DOCKET NUMBER: 9703P-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu; Xaa
at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-109-331-5

Query Match      84.9%; Score 62; DB 13; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.059;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 HWSHGWPY 9
   |||||
Db 2 HWSHGWPY 9

RESULT 8
US-10-170-096A-32
; Sequence 32, Application US/10170096A
; Publication No. US20030236184A1
; GENERAL INFORMATION:
; APPLICANT: University Of New Hampshire
; APPLICANT: Sower, Stacia A
; APPLICANT: Silver, Matt
; TITLE OF INVENTION: No. US20030236184A1el Polynucleotides Encoding Lamprey GnRH-III
; FILE REFERENCE: 9815/59339
; CURRENT APPLICATION NUMBER: US/10/170,096A
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32
; LENGTH: 10
; TYPE: PRT
; ORGANISM: chicken
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(1)
; OTHER INFORMATION: X at position 1 = pGlu
```



```
;
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (10)_(10)
; OTHER INFORMATION: X at position 10 = Gly-NH2
US-10-170-098A-32

Query Match      84.9%; Score 62; DB 15; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.059;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 HWSHGWP 9
Db 2 HWSHGWP 9

RESULT 9
US-10-360-101-153
; Sequence 153, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 153
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,C8)-sequence of LHRH2
US-10-360-101-153

Query Match      83.6%; Score 61; DB 15; Length 10;
Best Local Similarity 80.0%; Pred. No. 0.08;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 EWSHGWP 10
Db 1 QWSHGWP 10

RESULT 10
US-10-360-101-308
; Sequence 308, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 308
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH2 analogue
; NAME/KEY: SITE
; LOCATION: (4)..(6)
; OTHER INFORMATION: No. US20040009550A1e = "A" on pos. 4 and 6 are linked by "S"
US-10-360-101-308
```

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;
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (10)_(10)
; OTHER INFORMATION: X at position 10 = Gly-NH2
US-10-170-098A-32

Query Match      83.6%; Score 61; DB 15; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.08;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 EWSHGWP 10
Db 1 QWSHGWP 10

RESULT 11
US-10-360-101-114
; Sequence 114, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 114
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (C9)-sequence of gonadolibetin II
US-10-360-101-114

Query Match      82.2%; Score 60; DB 15; Length 10;
Best Local Similarity 80.0%; Pred. No. 0.11;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 EWSHGWP 10
Db 1 QWSHGWP 10

RESULT 12
US-10-360-101-154
; Sequence 154, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 154
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,C9)-sequence of LHRH2
US-10-360-101-154

Query Match      82.2%; Score 60; DB 15; Length 10;
Best Local Similarity 80.0%; Pred. No. 0.11;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 EWSHGWP 10
Db 1 QWSHGWP 10
```

RESULT 13
US-10-360-101-307
; Sequence 307, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 307
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH2 analogue
; NAME/KEY: SITE
; LOCATION: (2)..(4)
; OTHER INFORMATION: No. US20040009550A1e = "A" on pos. 2 and 4 are linked by "S"
US-10-360-101-307

Query Match 78.1%; Score 57; DB 15; Length 10;
Best Local Similarity 87.5%; Pred. No. 0.27;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 3 WSHGWYPG 10
|:|||||
DB 3 WAHGWYPG 10

RESULT 14
US-10-360-101-309
; Sequence 309, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 309
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,C7)-Sequence of LHRH2
US-10-360-101-309

Query Match 78.1%; Score 57; DB 15; Length 10;
Best Local Similarity 80.0%; Pred. No. 0.27;
Matches 8; Conservative 1; Mismatches 1; Indels 1; Gaps 0;

QY 1 EHWSEGWYPG 10
:|||||
DB 1 QHWSHGCPG 10

RESULT 15
US-10-360-101-146
; Sequence 146, Application US/10360101
; Publication No. US20040009550A1

; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 146
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (S1,A4,C6)-sequence of LHRH2
US-10-360-101-146

Query Match 76.7%; Score 56; DB 15; Length 10;
Best Local Similarity 77.8%; Pred. No. 0.37;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 HWSHGWPY 10
||:|||||
DB 2 HWAHCWYPG 10

RESULT 16
US-10-360-101-159
; Sequence 159, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 159
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,A4,S6,C10)-sequence of LHRH2
US-10-360-101-159

Query Match 75.3%; Score 55; DB 15; Length 10;
Best Local Similarity 66.7%; Pred. No. 0.5;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 EHWSEGWYP 9
||:|||||
DB 1 QHWAHSWYP 9

RESULT 17
US-10-170-096A-33
; Sequence 33, Application US/10170096A
; Publication No. US20030236184A1
; GENERAL INFORMATION:
; APPLICANT: University of New Hampshire
; APPLICANT: Sower, Stacia A
; APPLICANT: Silver, Matt
; TITLE OF INVENTION: No. US20030236184A1 Polynucleotides Encoding Lamprey GnRH-III
; FILE REFERENCE: 9815/59339
; CURRENT APPLICATION NUMBER: US/10/170,096A
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 37

SOFTWARE: PatentIn version 3.1
; SEQ ID NO 33
; LENGTH: 10
; TYPE: PRT
; ORGANISM: dogfish
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(1)
; OTHER INFORMATION: X at position 1 = pGlu
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (10)..(10)
; OTHER INFORMATION: X at position 10 = Gly-NH2
US-10-170-096A-33

Query Match 74.0%; Score 54; DB 15; Length 10;
Best Local Similarity 87.5%; Pred. No. 0.67;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 HWSHGWP 9
Db 2 HWSHGWP 9

RESULT 18
US-10-360-101-145
; Sequence 145, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantribiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 145
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (S1,A4,C5)-sequence of LHRH2
US-10-360-101-145

Query Match 74.0%; Score 54; DB 15; Length 10;
Best Local Similarity 77.8%; Pred. No. 0.67;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 2 HWSHGWP 10
Db 2 HWACGWYP 10

RESULT 19
US-10-170-096A-6
; Sequence 6, Application US/10170096A
; Publication No. US20030236184A1
; GENERAL INFORMATION:
; APPLICANT: University Of New Hampshire
; APPLICANT: Sower, Stacia A
; APPLICANT: Silver, Matt
; TITLE OF INVENTION: No. US20030236184A1 Polynucleotides Encoding Lamprey GnRH-III
; FILE REFERENCE: 9815/59339
; CURRENT APPLICATION NUMBER: US/10/170,096A
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 92
; TYPE: PRT

; ORGANISM: 1. tridentatus
US-10-170-096A-6

Query Match 74.0%; Score 54; DB 15; Length 92;
Best Local Similarity 70.0%; Pred. No. 4.2;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 EWSHGWP 10
Db 25 QHSHDWKPG 34

RESULT 20
US-10-170-096A-8
; Sequence 8, Application US/10170096A
; Publication No. US20030236184A1
; GENERAL INFORMATION:
; APPLICANT: University Of New Hampshire
; APPLICANT: Sower, Stacia A
; APPLICANT: Silver, Matt
; TITLE OF INVENTION: No. US20030236184A1 Polynucleotides Encoding Lamprey GnRH-III
; FILE REFERENCE: 9815/59339
; CURRENT APPLICATION NUMBER: US/10/170,096A
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 93
; TYPE: PRT
; ORGANISM: P. marinus
US-10-170-096A-8

Query Match 74.0%; Score 54; DB 15; Length 93;
Best Local Similarity 70.0%; Pred. No. 4.2;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 EWSHGWP 10
Db 25 QHSHDWKPG 34

RESULT 21
US-10-170-096A-2
; Sequence 2, Application US/10170096A
; Publication No. US20030236184A1
; GENERAL INFORMATION:
; APPLICANT: University Of New Hampshire
; APPLICANT: Sower, Stacia A
; APPLICANT: Silver, Matt
; TITLE OF INVENTION: No. US20030236184A1 Polynucleotides Encoding Lamprey GnRH-III
; FILE REFERENCE: 9815/59339
; CURRENT APPLICATION NUMBER: US/10/170,096A
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 94
; TYPE: PRT
; ORGANISM: G. australis
US-10-170-096A-2

Query Match 74.0%; Score 54; DB 15; Length 94;
Best Local Similarity 70.0%; Pred. No. 4.2;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 EWSHGWP 10
Db 26 QHSHDWKPG 35

RESULT 22
US-10-360-101-305
; Sequence 305, Application US/10360101

```
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Siler-Khodr, Theresa M.
; TITLE OF INVENTION: No. US20020065226A1-Mammalian GLRH Analogs and Uses Thereof in R
; TITLE OF INVENTION: Pregnancy
; FILE REFERENCE: P7345-2(CIP)
; CURRENT APPLICATION NUMBER: US/09/941,094A
; CURRENT FILING DATE: 2001-08-28
; PRIOR APPLICATION NUMBER: US 09/419,161
; PRIOR FILING DATE: 1999-10-15
; NUMBER OF SEQ ID NOS: 4
; SEQ ID NO 4
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Salmo salar
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: unknown
; OTHER INFORMATION: MOD_RES substitution of Gly residue at 10 with aza-Gly-NH2. Xaa
; OTHER INFORMATION: D-Arg. MOD_RES Glu at position 1 is pyroglutamic acid.
US-09-941-094A-4

Query Match 71.2%; Score 52; DB 9; Length 10;
Best Local Similarity 70.0%; Pred. No. 1.2;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 EHWSHGWYPG 10
DB 1 EHWXYWLP 10

RESULT 25
US-10-360-101-157
; Sequence 157, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 157
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,A4,S5,C10)-sequence of LHRH2
US-10-360-101-157

Query Match 71.2%; Score 52; DB 15; Length 10;
Best Local Similarity 66.7%; Pred. No. 1.2;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 EHWSHGWYP 9
DB 1 QHWASGWYP 9

RESULT 26
US-10-617-561-16
; Sequence 16, Application US/10617561
; Publication No. US20040018967A1
; GENERAL INFORMATION:
; APPLICANT: La. State Univ. & Mech. Coll., Board of Supervisors
; Enright, Frederick M.
; Jaynes, Jesse M.
; Hansel, William
; Koonce, Kenneth L.
; McCann, Samuel M.
```

```
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 305
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (6)..(9)
; OTHER INFORMATION: No. US20040009550A1e = "A" on pos. 6 and 9 are linked by "S"
US-10-360-101-305

Query Match 72.6%; Score 53; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 0.91;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EHWSHGWYPG 10
DB 1 QHWAHAWYAG 10

RESULT 23
US-10-360-101-306
; Sequence 306, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 306
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH2 analogue
; NAME/KEY: SITE
; LOCATION: (4)..(7)
; OTHER INFORMATION: No. US20040009550A1e = "A" on pos. 4 and 7 are linked by "S"
US-10-360-101-306

Query Match 72.6%; Score 53; DB 15; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.91;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 EHWSHGWYPG 10
DB 1 QHWAHAWYAG 10

RESULT 24
US-09-941-094A-4
; Sequence 4, Application US/09941094A
; Patent No. US20020065226A1
```

Yu, Wen H.
Melrose, Patricia A.
Foill, Lane D.
Elzer, Philip H.
TITLE OF INVENTION: Ligand/Lytic Peptide Compositions and
METHODS OF USE
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/617,561
FILING DATE: 11-Jul-2003
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/381,879
FILING DATE: 25-Aug-1999
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REGISTRATION NUMBER: 33,451
REFERENCE/DOCKET NUMBER: 96A3.2-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..10
OTHER INFORMATION: /note= "Xaa in position 1 denotes
pyro-glutamic acid. This sequence is 1-LHRH-III."
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-617-561-16
Query Match 71.2%; Score 52; DB 15; Length 10;
Best Local Similarity 77.8%; Pred. No. 1.2;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 2 HWSHGMYPG 10
DB 2 HWSHDWKEG 10
RESULT 27
US-10-617-561-15
Sequence 15, Application US/10617561
Publication No. US20040018967A1
GENERAL INFORMATION:
APPLICANT: La. State Univ. & Mech. Coll., Board of Supervisors
Enright, Frederick M.
Jaynes, Jesse M.
Hansel, William
Koonce, Kenneth L.
McCann, Samuel M.
Yu, Wen H.
Melrose, Patricia A.
Foill, Lane D.
Elzer, Philip H.
TITLE OF INVENTION: Ligand/Lytic Peptide Compositions and
METHODS OF USE

NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/617,561
FILING DATE: 11-Jul-2003
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/381,879
FILING DATE: 25-Aug-1999
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REGISTRATION NUMBER: 33,451
REFERENCE/DOCKET NUMBER: 96A3.2-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 33 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..33
OTHER INFORMATION: /note= "Xaa in position 1 denotes
pyro-glutamic acid. This sequence is an
1-LHRH-III/hecate fusion peptide."
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-10-617-561-15
Query Match 71.2%; Score 52; DB 15; Length 33;
Best Local Similarity 77.8%; Pred. No. 3.3;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 2 HWSHGMYPG 10
DB 2 HWSHDWKEG 10
RESULT 28
US-10-360-101-158
Sequence 158, Application US/10360101
Publication No. US20040009550A1
GENERAL INFORMATION:
APPLICANT: Moll, Gert N.
APPLICANT: Leenhouts, Cornelis J.
TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
FILE REFERENCE: 2183-5673
CURRENT APPLICATION NUMBER: US/10/360,101
CURRENT FILING DATE: 2003-02-07
PRIOR APPLICATION NUMBER: EP 02077060.8
PRIOR FILING DATE: 2002-05-24
NUMBER OF SEQ ID NOS: 309
SOFTWARE: Patent in version 3.1
SEQ ID NO 158
LENGTH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: (Q1,A4,S6,C9)-sequence of LHRH2
US-10-360-101-158

```
Query Match      69.9%; Score 51; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.7;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 EHWSHGWYPG 10
   :||:|||||
Db 1 QHWAHSWYCG 10

RESULT 29
US-10-170-096A-4
; Sequence 4, Application US/10170096A
; Publication No. US20030236184A1
; GENERAL INFORMATION:
; APPLICANT: University Of New Hampshire
; APPLICANT: Sower, Stacia A
; APPLICANT: Silver, Matt
; TITLE OF INVENTION: NO. US20030236184A1 Polynucleotides Encoding Lamprey GnRH-III
; FILE REFERENCE: 9815/59339
; CURRENT APPLICATION NUMBER: US/10/170,096A
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 92
; TYPE: PRT
; ORGANISM: m. mordax
US-10-170-096A-4

Query Match      69.9%; Score 51; DB 15; Length 92;
Best Local Similarity 60.0%; Pred. No. 10;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 EHWSHGWYPG 10
   :||:|||||
Db 25 QHWHDMKPG 34

RESULT 30
US-10-424-599-229288
; Sequence 229288, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 229288
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_49072C.1.pep
US-10-424-599-229288

Query Match      68.5%; Score 50; DB 12; Length 68;
Best Local Similarity 77.8%; Pred. No. 11;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 EHWSHGWYP 9
   |||||
Db 31 EHWDRGGYP 39

RESULT 31
US-10-360-101-148
; Sequence 148, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 148
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,S2,A4,C6)-sequence of LHRH2
US-10-360-101-148

Query Match      67.1%; Score 49; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 3.1;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 EHWSHGWYPG 10
   :||:|||||
Db 1 QSWAHCWYPG 10

RESULT 32
US-10-360-101-155
; Sequence 155, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 155
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,A4,S5,C8)-sequence of LHRH2
US-10-360-101-155

Query Match      67.1%; Score 49; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 3.1;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 EHWSHGWYPG 10
   :||:|||||
Db 1 QHWASGWCYPG 10

RESULT 33
US-10-109-331-4
; Sequence 4, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; APPLICANT: Yu, Wen H.
; TITLE OF INVENTION: FSH-Releasing Peptides
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. Runnels
```

STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25;
WordPerfect 5.1; No. US20020165159A1eapad Version 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/297,989
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REGISTRATION NUMBER: 33451
REFERENCE/DOCKET NUMBER: 9703P-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu; Xaa
at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-109-331-4
Query Match 65.8%; Score 48; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 4.2;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 2 HWSHGWP 9
DB 2 HWSYGWLP 9
RESULT 34
US-10-170-096A-28
Sequence 28, Application US/10170096A
Publication No. US20030236184A1
GENERAL INFORMATION:
APPLICANT: University Of New Hampshire
APPLICANT: Sower, Stacia A
TITLE OF INVENTION: NO. US20030236184A1 Polynucleotides Encoding Lamprey GnRH-III
FILE REFERENCE: 9815/59339
CURRENT APPLICATION NUMBER: US/10/170,096A
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 37
SOFTWARE: Patentin version 3.1
SEQ ID NO 28
LENGTH: 10
TYPE: PRT
ORGANISM: salmon
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)...(1)
OTHER INFORMATION: X at position 1 = pGlu
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (10)...(10)
OTHER INFORMATION: X at position 10 = Gly-NH2
US-10-170-096A-28

Query Match 65.8%; Score 48; DB 15; Length 10;
Best Local Similarity 75.0%; Pred. No. 4.2;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 2 HWSHGWP 9
DB 2 HWSYGWLP 9
RESULT 35
US-10-360-101-156
Sequence 156, Application US/10360101
Publication No. US20040009550A1
GENERAL INFORMATION:
APPLICANT: Moll, Gert N.
APPLICANT: Leenhouts, Cornelis J.
TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
FILE REFERENCE: 2183-5673
CURRENT APPLICATION NUMBER: US/10/360,101
CURRENT FILING DATE: 2003-02-07
PRIOR APPLICATION NUMBER: EP 02077060.8
PRIOR FILING DATE: 2002-05-24
NUMBER OF SEQ ID NOS: 309
SOFTWARE: Patentin version 3.1
SEQ ID NO 156
LENGTH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: (Q1,A4,S5,C9)-sequence of LHRH2
US-10-360-101-156
Query Match 65.8%; Score 48; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 4.2;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
QY 1 BWSHGWP 10
DB 1 QHWSYGWLP 10
RESULT 36
US-10-109-331-7
Sequence 7, Application US/10109331
Publication No. US20020165159A1
GENERAL INFORMATION:
APPLICANT: McCann, Samuel M.
APPLICANT: Yu, Wen H.
TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25;
WordPerfect 5.1; No. US20020165159A1eapad Version 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/297,989
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.

```
;
; REGISTRATION NUMBER: 33451
; REFERENCE/DOCKET NUMBER: 9703P-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu; Xaa
; at 10 is Gly-NH2"
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-109-331-7

Query Match 64.4%; Score 47; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 5.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 HWSHGWP 9
Db 2 HWSHAWK 9

RESULT 37
US-10-360-101-147
; Sequence 147, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 147
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,S2,A4,C5)-sequence of LHRH2
US-10-360-101-147

Query Match 64.4%; Score 47; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 5.7;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EHWSHGWYPG 10
Db 1 QSWACGWYPG 10

RESULT 38
US-10-360-101-160
; Sequence 160, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
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; SEQ ID NO 160
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,A4,S7,C10)-sequence of LHRH2
US-10-360-101-160

Query Match 64.4%; Score 47; DB 15; Length 10;
Best Local Similarity 66.7%; Pred. No. 5.7;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 EHWSHGWYP 9
Db 1 QHWAGSY 9

RESULT 39
US-10-109-331-1
; Sequence 1, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; TITLE OF INVENTION: FSH-Releasing Peptides
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. Runnels
; STREET: P. O. Box 2471
; CITY: Baton Rouge
; STATE: LA
; COUNTRY: USA
; ZIP: 70821-2471
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25;
; CURRENT APPLICATION DATA: WordPerfect 5.1; No. US20020165159A1eapad Version 4.0
; APPLICATION NUMBER: US/10/109,331
; FILING DATE: 28-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/297,989
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Runnels, John H.
; REGISTRATION NUMBER: 33451
; REFERENCE/DOCKET NUMBER: 9703P-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu; Xaa
; at 10 is Gly-NH2"
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-109-331-1

Query Match 63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 HWSHGWP 9
Db 2 HWSHAWK 9
```


RESULT 40

US-10-109-331-9
; Sequence 9, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; Yu, Wen H.

TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA

ZIP: 70821-2471

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25;

CURRENT APPLICATION DATA: US/10/109,331
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/297,989
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Runnels, John H.

REGISTRATION NUMBER: 33451

REFERENCE/DOCKET NUMBER: 9703P-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (225) 387-3221

TELEFAX: (225) 346-8049

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 10 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FEATURE:

OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
Xaa at 6 is (D-Ala); Xaa at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-10-109-331-9

Query Match 63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY

2 HWSHGWYP 9

|||||

Db 2 HWSHXWKP 9

RESULT 41

US-10-109-331-13
; Sequence 13, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; Yu, Wen H.

TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA

ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25;
CURRENT APPLICATION DATA: US/10/109,331
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/297,989

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Runnels, John H.

REGISTRATION NUMBER: 33451

REFERENCE/DOCKET NUMBER: 9703P-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (225) 387-3221

TELEFAX: (225) 346-8049

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:

LENGTH: 10 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FEATURE:

OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
Xaa at 6 is (D-Leu); Xaa at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-10-109-331-13

Query Match

Best Local Similarity 63.0%; Score 46; DB 13; Length 10;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY

2 HWSHGWYP 9

|||||

Db 2 HWSHXWKP 9

RESULT 42

US-10-109-331-15
; Sequence 15, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; Yu, Wen H.

TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA

ZIP: 70821-2471

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25;

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/109,331

FILING DATE: 28-Mar-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/297,989

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Runnels, John H.

```

; REGISTRATION NUMBER: 33451
; REFERENCE/DOCKET NUMBER: 9703P-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
; Xaa at 6 is (SerBut); Xaa at 10 is Gly-NH2"
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-10-109-331-15

Query Match 63.0%; Score 45; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 HWSHGWP 9
Db 2 HWSHXKP 9

RESULT 43
US-10-109-331-17
; Sequence 17, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; YU, Wen H.
; TITLE OF INVENTION: FSH-Releasing Peptides
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. Runnels
; STREET: P. O. Box 2471
; CITY: Baton Rouge
; STATE: LA
; COUNTRY: USA
; ZIP: 70821-2471
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/109,331
; FILING DATE: 28-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/297,989
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Runnels, John H.
; REGISTRATION NUMBER: 33451
; REFERENCE/DOCKET NUMBER: 9703P-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
; Xaa at 6 is (D-SerBut); Xaa at 10 is Gly-NH2"
; SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-10-109-331-17

```

```

; REGISTRATION NUMBER: 33451
; REFERENCE/DOCKET NUMBER: 9703P-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
; Xaa at 6 is (D-Trip); Xaa at 10 is Gly-NH2"
; SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-10-109-331-21

Query Match 63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 HWSHGWP 9
Db 2 HWSHXKP 9

RESULT 44
US-10-109-331-21
; Sequence 21, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; YU, Wen H.
; TITLE OF INVENTION: FSH-Releasing Peptides
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. Runnels
; STREET: P. O. Box 2471
; CITY: Baton Rouge
; STATE: LA
; COUNTRY: USA
; ZIP: 70821-2471
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/109,331
; FILING DATE: 28-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/297,989
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Runnels, John H.
; REGISTRATION NUMBER: 33451
; REFERENCE/DOCKET NUMBER: 9703P-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
; Xaa at 6 is (D-Trip); Xaa at 10 is Gly-NH2"
; SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-10-109-331-21

Query Match 63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 HWSHGWP 9
Db 2 HWSHXKP 9

RESULT 45
US-10-109-331-23
; Sequence 23, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.

```

```
/
/
/ Yu, Wen H.
/
/ TITLE OF INVENTION: FSH-Releasing Peptides
/
/ NUMBER OF SEQUENCES: 41
/
/ CORRESPONDENCE ADDRESS:
/
/ ADDRESSEE: John H. Runnels
/
/ STREET: P. O. Box 2471
/
/ CITY: Baton Rouge
/
/ STATE: LA
/
/ COUNTRY: USA
/
/ ZIP: 70821-2471
/
/ MEDIUM TYPE: Floppy disk
/
/ COMPUTER: IBM PC compatible
/
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/
/ SOFTWARE: WordPerfect 5.1; No. US20020165159AlepAd Version 4.0
/
/ CURRENT APPLICATION DATA:
/
/ APPLICATION NUMBER: US/10/109,331
/
/ FILING DATE: 28-Mar-2002
/
/ CLASSIFICATION: <Unknown>
/
/ PRIOR APPLICATION DATA:
/
/ APPLICATION NUMBER: US/09/297,989
/
/ FILING DATE: <Unknown>
/
/ ATTORNEY/AGENT INFORMATION:
/
/ NAME: Runnels, John H.
/
/ REGISTRATION NUMBER: 33451
/
/ REFERENCE/DOCKET NUMBER: 9703P-US
/
/ TELECOMMUNICATION INFORMATION:
/
/ TELEPHONE: (225) 387-3221
/
/ TELEFAX: (225) 346-8049
/
/ INFORMATION FOR SEQ ID NO: 23:
/
/ SEQUENCE CHARACTERISTICS:
/
/ LENGTH: 10 amino acids
/
/ TYPE: amino acid
/
/ TOPOLOGY: linear
/
/ MOLECULE TYPE: peptide
/
/ FEATURE:
/
/ OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
/
/ Xaa at 6 is (His-Bzl); Xaa at 10 is Gly-NH2"
/
/ SEQUENCE DESCRIPTION: SEQ ID NO: 23:
/
/ US-10-109-331-23
/
/
/ Query Match 63.0%; Score 46; DB 13; Length 10;
/
/ Best Local Similarity 75.0%; Pred. No. 7.7;
/
/ Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
/
/ Qy 2 HWSHGWYP 9
/
/ Db 2 HWSHXWKP 9
/
/
/ RESULT 46
/
/ US-10-109-331-25
/
/ Sequence 25, Application US/10109331
/
/ Publication No. US20020165159A1
/
/ GENERAL INFORMATION:
/
/ APPLICANT: McCann, Samuel M.
/
/ Yu, Wen H.
/
/ TITLE OF INVENTION: FSH-Releasing Peptides
/
/ NUMBER OF SEQUENCES: 41
/
/ CORRESPONDENCE ADDRESS:
/
/ ADDRESSEE: John H. Runnels
/
/ STREET: P. O. Box 2471
/
/ CITY: Baton Rouge
/
/ STATE: LA
/
/ COUNTRY: USA
/
/ ZIP: 70821-2471
/
/ MEDIUM TYPE: Floppy disk
/
/ COMPUTER: IBM PC compatible
/
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/
/ SOFTWARE: WordPerfect 5.1; No. US20020165159AlepAd Version 4.0
/
/ CURRENT APPLICATION DATA:
/
/ APPLICATION NUMBER: US/10/109,331
/
/ FILING DATE: 28-Mar-2002
/
/ CLASSIFICATION: <Unknown>
/
/ PRIOR APPLICATION DATA:
/
/ APPLICATION NUMBER: US/09/297,989
/
/ FILING DATE: <Unknown>
/
/ ATTORNEY/AGENT INFORMATION:
/
/ NAME: Runnels, John H.
/
/ REGISTRATION NUMBER: 33451
/
/ REFERENCE/DOCKET NUMBER: 9703P-US
/
/ TELECOMMUNICATION INFORMATION:
/
/ TELEPHONE: (225) 387-3221
/
/ TELEFAX: (225) 346-8049
/
/ INFORMATION FOR SEQ ID NO: 27:
/
/ SEQUENCE CHARACTERISTICS:
/
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/
/
/ CURRENT APPLICATION DATA:
/
/ APPLICATION NUMBER: US/10/109,331
/
/ FILING DATE: 28-Mar-2002
/
/ CLASSIFICATION: <Unknown>
/
/ PRIOR APPLICATION DATA:
/
/ APPLICATION NUMBER: US/09/297,989
/
/ FILING DATE: <Unknown>
/
/ ATTORNEY/AGENT INFORMATION:
/
/ NAME: Runnels, John H.
/
/ REGISTRATION NUMBER: 33451
/
/ REFERENCE/DOCKET NUMBER: 9703P-US
/
/ TELECOMMUNICATION INFORMATION:
/
/ TELEPHONE: (225) 387-3221
/
/ TELEFAX: (225) 346-8049
/
/ INFORMATION FOR SEQ ID NO: 25:
/
/ SEQUENCE CHARACTERISTICS:
/
/ LENGTH: 10 amino acids
/
/ TYPE: amino acid
/
/ TOPOLOGY: linear
/
/ MOLECULE TYPE: peptide
/
/ FEATURE:
/
/ OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
/
/ Xaa at 6 is (D-His-Bzl); Xaa at 10 is Gly-NH2"
/
/ SEQUENCE DESCRIPTION: SEQ ID NO: 25:
/
/ US-10-109-331-25
/
/
/ Query Match 63.0%; Score 46; DB 13; Length 10;
/
/ Best Local Similarity 75.0%; Pred. No. 7.7;
/
/ Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
/
/ Qy 2 HWSHGWYP 9
/
/ Db 2 HWSHXWKP 9
/
/
/ RESULT 47
/
/ US-10-109-331-27
/
/ Sequence 27, Application US/10109331
/
/ Publication No. US20020165159A1
/
/ GENERAL INFORMATION:
/
/ APPLICANT: McCann, Samuel M.
/
/ Yu, Wen H.
/
/ TITLE OF INVENTION: FSH-Releasing Peptides
/
/ NUMBER OF SEQUENCES: 41
/
/ CORRESPONDENCE ADDRESS:
/
/ ADDRESSEE: John H. Runnels
/
/ STREET: P. O. Box 2471
/
/ CITY: Baton Rouge
/
/ STATE: LA
/
/ COUNTRY: USA
/
/ ZIP: 70821-2471
/
/ MEDIUM TYPE: Floppy disk
/
/ COMPUTER: IBM PC compatible
/
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/
/ SOFTWARE: WordPerfect 5.1; No. US20020165159AlepAd Version 4.0
/
/ CURRENT APPLICATION DATA:
/
/ APPLICATION NUMBER: US/10/109,331
/
/ FILING DATE: 28-Mar-2002
/
/ CLASSIFICATION: <Unknown>
/
/ PRIOR APPLICATION DATA:
/
/ APPLICATION NUMBER: US/09/297,989
/
/ FILING DATE: <Unknown>
/
/ ATTORNEY/AGENT INFORMATION:
/
/ NAME: Runnels, John H.
/
/ REGISTRATION NUMBER: 33451
/
/ REFERENCE/DOCKET NUMBER: 9703P-US
/
/ TELECOMMUNICATION INFORMATION:
/
/ TELEPHONE: (225) 387-3221
/
/ TELEFAX: (225) 346-8049
/
/ INFORMATION FOR SEQ ID NO: 27:
/
/ SEQUENCE CHARACTERISTICS:
/
```

LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
Xaa at 6 is Nal(2); Xaa at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 27;
US-10-109-331-27

Query Match 63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 HWSHGWP 9
Db 2 HWSHXKP 9

RESULT 48

US-10-109-331-29
Sequence 29, Application US/10109331
Publication No. US20020165159A1
GENERAL INFORMATION:
APPLICANT: McCann, Samuel M.

TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25;
WordPerfect 5.1; No. US20020165159A1eapad Version 4.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/297,989
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Runnels, John H.
REGISTRATION NUMBER: 33451
REFERENCE/DOCKET NUMBER: 9703P-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049

INFORMATION FOR SEQ ID NO: 29:

SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:

OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
Xaa at 6 is (D-Nal(2)); Xaa at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 29;
US-10-109-331-29

Query Match 63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 HWSHGWP 9
Db 2 HWSHXKP 9

Db 2 HWSHXKP 9

RESULT 49

US-10-109-331-31

Sequence 31, Application US/10109331
Publication No. US20020165159A1
GENERAL INFORMATION:
APPLICANT: McCann, Samuel M.

Yu, Wen H.

TITLE OF INVENTION: FSH-Releasing Peptides

NUMBER OF SEQUENCES: 41

CORRESPONDENCE ADDRESS:

ADDRESSEE: John H. Runnels

STREET: P. O. Box 2471

CITY: Baton Rouge

STATE: LA

COUNTRY: USA

ZIP: 70821-2471

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25;
WordPerfect 5.1; No. US20020165159A1eapad Version 4.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/109,331

FILING DATE: 28-Mar-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/297,989

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Runnels, John H.

REGISTRATION NUMBER: 33451

REFERENCE/DOCKET NUMBER: 9703P-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (225) 387-3221

TELEFAX: (225) 346-8049

INFORMATION FOR SEQ ID NO: 31:

SEQUENCE CHARACTERISTICS:

LENGTH: 10 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FEATURE:

OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
Xaa at 6 is Nal(2); Xaa at 10 is (aza-Gly)"

SEQUENCE DESCRIPTION: SEQ ID NO: 31;
US-10-109-331-31

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Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 HWSHGWP 9

Db 2 HWSHXKP 9

RESULT 50

US-10-109-331-32

Sequence 32, Application US/10109331
Publication No. US20020165159A1
GENERAL INFORMATION:
APPLICANT: McCann, Samuel M.

Yu, Wen H.

TITLE OF INVENTION: FSH-Releasing Peptides

NUMBER OF SEQUENCES: 41

CORRESPONDENCE ADDRESS:

ADDRESSEE: John H. Runnels

STREET: P. O. Box 2471

CITY: Baton Rouge

STATE: LA

COUNTRY: USA

ZIP: 70821-2471

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25;
WordPerfect 5.1; No. US20020165159A1eapad Version 4.0

SEQUENCE DESCRIPTION: SEQ ID NO: 32;
US-10-109-331-32

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Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 HWSHGWP 9

Db 2 HWSHXKP 9

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STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.1; NO. US20020165159alepad Version 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/297,989
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Rannels, John H.
REGISTRATION NUMBER: 33451
REFERENCE/DOCKET NUMBER: 9703P-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
Xaa at 6 is (D-Nal(2)); Xaa at 10 is (aza-Gly)"
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Query Match          63.0%; Score 46; DB 13; Length 10;
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Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Search completed: March 17, 2004, 22:00:57
Job time : 38 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 17, 2004, 21:40:53 ; Search time 35 Seconds
(without alignments)
73.553 Million cell updates/sec

Title: US-09-857-115-7

Perfect score: 50

Sequence: 1 EHWXGXKXPG 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : Published Applications AA.*

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Pred. No. is the number of results predicted by chance to have a
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and is derived by analysis of the total score distribution.

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154	32	64.0	16	9	US-09-758-198-53	Sequence 53, Appl	227	31	62.0	152	15	US-10-371-260-20	Sequence 20, Appl
155	32	64.0	16	10	US-09-861-661-59	Sequence 59, Appl	228	31	62.0	156	15	US-10-108-260A-3817	Sequence 3817, Ap
156	32	64.0	16	14	US-10-096-550-89	Sequence 89, Appl	229	31	62.0	158	12	US-10-425-114-50703	Sequence 50703, A
157	32	64.0	51	15	US-10-375-913-14	Sequence 14, Appl	230	31	62.0	182	9	US-09-879-957-200	Sequence 200, App
158	32	64.0	68	12	US-10-424-599-276583	Sequence 276583,	231	31	62.0	182	12	US-10-425-114-37520	Sequence 37520, A
159	32	64.0	70	9	US-09-864-761-35060	Sequence 35060, A	232	31	62.0	201	15	US-10-108-260A-4794	Sequence 4794, Ap
160	32	64.0	76	12	US-10-424-599-176429	Sequence 176429,	233	31	62.0	204	12	US-10-425-114-54068	Sequence 54068, A
161	32	64.0	89	12	US-10-424-599-169538	Sequence 169538,	234	31	62.0	212	15	US-10-421-138A-122	Sequence 122, App

235	31	62.0	217	12	US-10-424-599-242341	Sequence 242341, App	308	218	12	US-10-282-122A-60775	Sequence 60775, A
236	31	62.0	228	11	US-09-939-537-27	Sequence 27, Appl	309	222	14	US-10-238-075-587	Sequence 587, App
237	31	62.0	228	11	US-09-243-008-27	Sequence 27, Appl	310	224	14	US-10-156-761-1958	Sequence 11958, A
238	31	62.0	229	13	US-10-079-130-A	Sequence 4, Appl	311	227	10	US-09-934-455-100	Sequence 100, App
239	31	62.0	229	13	US-10-038-107A-3	Sequence 3, Appl	312	227	12	US-10-412-699B-346	Sequence 346, App
240	31	62.0	229	15	US-10-371-069-34	Sequence 34, Appl	313	227	15	US-10-225-068-58	Sequence 58, Appl
241	31	62.0	229	15	US-10-371-645-34	Sequence 34, Appl	314	227	15	US-10-374-780A-104	Sequence 104, App
242	31	62.0	229	15	US-10-371-260-34	Sequence 34, Appl	315	227	12	US-10-210-172-196	Sequence 196, App
243	31	62.0	251	14	US-10-108-260A-4415	Sequence 4415, App	316	253	15	US-10-369-493-10635	Sequence 10635, A
244	31	62.0	251	14	US-10-203-708-45	Sequence 45, Appl	317	256	9	US-09-772-719-51	Sequence 51, Appl
245	31	62.0	257	9	US-09-925-299-891	Sequence 891, App	318	257	10	US-09-967-237-51	Sequence 51, Appl
246	31	62.0	257	9	US-09-925-299-891	Sequence 891, App	319	270	15	US-10-421-138A-118	Sequence 118, App
247	31	62.0	260	12	US-10-424-599-268344	Sequence 268344, App	320	283	14	US-10-156-761-8768	Sequence 8768, App
248	31	62.0	280	14	US-10-235-086-2	Sequence 2, Appl	321	288	12	US-10-424-599-198096	Sequence 198096, App
249	31	62.0	298	14	US-10-203-708-44	Sequence 44, Appl	322	294	14	US-10-182-951-2	Sequence 2, Appl
250	31	62.0	355	14	US-10-203-708-44	Sequence 44, Appl	323	296	10	US-09-782-974C-12	Sequence 12, Appl
251	31	62.0	374	12	US-10-424-599-211296	Sequence 211296, App	324	300	15	US-10-369-493-14179	Sequence 14179, A
252	31	62.0	435	12	US-10-282-122A-49633	Sequence 49633, A	325	305	12	US-10-424-599-198098	Sequence 198098, App
253	31	62.0	435	12	US-10-282-122A-50597	Sequence 50597, A	326	305	16	US-10-038-854-105	Sequence 105, App
254	31	62.0	468	9	US-09-764-868-665	Sequence 665, App	327	308	14	US-10-017-161-768	Sequence 768, App
255	31	62.0	468	9	US-10-369-493-20988	Sequence 20988, A	328	314	12	US-10-210-172-186	Sequence 186, App
256	31	62.0	601	9	US-09-815-242-5070	Sequence 5070, App	329	316	12	US-10-425-114-38915	Sequence 38915, A
257	31	62.0	601	12	US-10-282-122A-43557	Sequence 43557, A	330	320	12	US-10-210-172-190	Sequence 190, App
258	31	62.0	601	12	US-10-282-122A-67868	Sequence 67868, A	331	320	12	US-10-210-172-194	Sequence 194, App
259	31	62.0	601	12	US-10-282-122A-69603	Sequence 69603, A	332	340	9	US-09-815-242-11980	Sequence 11980, A
260	31	62.0	633	15	US-10-369-493-8543	Sequence 8543, App	333	340	10	US-09-769-734-58	Sequence 58, Appl
261	31	62.0	674	14	US-10-156-761-9618	Sequence 9618, App	334	340	10	US-10-334-143-74	Sequence 74, Appl
262	31	62.0	697	15	US-10-181-638A-2	Sequence 2, Appl	335	342	15	US-10-081-056-28	Sequence 28, Appl
263	31	62.0	742	14	US-10-203-860-4	Sequence 4, Appl	336	342	14	US-10-092-135-2	Sequence 2, Appl
264	31	62.0	788	9	US-09-879-957-30	Sequence 30, Appl	337	342	14	US-10-223-085-28	Sequence 28, Appl
265	31	62.0	975	14	US-10-271-697-5	Sequence 5, Appl	338	342	14	US-10-223-084-28	Sequence 28, Appl
266	31	62.0	1048	14	US-10-282-122A-64852	Sequence 64852, A	339	342	14	US-10-223-088-28	Sequence 28, Appl
267	31	62.0	1049	14	US-10-317-835-16	Sequence 16, Appl	340	342	14	US-10-223-090-28	Sequence 28, Appl
268	31	62.0	1060	14	US-09-954-342-46	Sequence 46, Appl	341	342	14	US-10-223-083-28	Sequence 28, Appl
269	31	62.0	1060	14	US-10-225-567A-408	Sequence 408, App	342	342	14	US-10-223-083-28	Sequence 28, Appl
270	31	62.0	1199	14	US-10-156-761-10084	Sequence 10084, A	343	342	14	US-10-223-089-28	Sequence 28, Appl
271	31	62.0	1331	16	US-10-311-623-7	Sequence 7, Appl	344	342	14	US-10-223-081-28	Sequence 28, Appl
272	31	62.0	1464	9	US-09-746-390-2	Sequence 2, Appl	345	346	9	US-10-223-082-28	Sequence 2, Appl
273	31	62.0	1464	15	US-10-607-095-21	Sequence 21, Appl	346	346	9	US-09-862-274-2	Sequence 2, Appl
274	31	62.0	1682	12	US-10-282-122A-64702	Sequence 64702, A	347	346	9	US-09-942-374-2	Sequence 2, Appl
275	31	62.0	1787	12	US-10-282-122A-62625	Sequence 62625, A	348	346	10	US-09-886-041-2	Sequence 2, Appl
276	31	62.0	19655	15	US-10-084-846A-3	Sequence 3, Appl	349	346	10	US-09-782-974C-90	Sequence 80, Appl
277	30.5	61.0	747	9	US-09-874-069-6	Sequence 6, Appl	350	346	12	US-10-210-172-178	Sequence 178, App
278	30.5	61.0	988	9	US-09-874-069-6	Sequence 6, Appl	351	346	12	US-10-210-172-180	Sequence 180, App
279	30.0	60.0	9	9	US-09-746-945-2	Sequence 2, Appl	352	346	12	US-10-210-172-182	Sequence 182, App
280	30.0	60.0	10	15	US-10-360-101-114	Sequence 114, App	353	346	12	US-10-210-172-184	Sequence 184, App
281	30.0	60.0	10	15	US-10-360-101-154	Sequence 154, App	354	346	12	US-10-210-172-188	Sequence 188, App
282	30.0	60.0	18	14	US-10-225-567A-2244	Sequence 2244, App	355	346	14	US-10-094-417-8	Sequence 2, Appl
283	30.0	60.0	44	9	US-09-864-761-42097	Sequence 42097, A	356	346	14	US-10-188-149A-2	Sequence 2, Appl
284	30.0	60.0	64	12	US-10-424-599-236882	Sequence 236882, App	357	346	14	US-10-079-384-18	Sequence 18, Appl
285	30.0	60.0	68	12	US-10-424-599-206738	Sequence 206738, App	358	346	14	US-10-225-567A-668	Sequence 668, App
286	30.0	60.0	72	12	US-10-424-599-248385	Sequence 248385, App	359	346	14	US-10-201-481-7	Sequence 7, Appl
287	30.0	60.0	76	12	US-10-424-599-196315	Sequence 196315, App	360	346	14	US-10-278-141-3	Sequence 3, Appl
288	30.0	60.0	77	12	US-10-424-599-216892	Sequence 216892, App	361	346	14	US-10-321-807-24	Sequence 24, Appl
289	30.0	60.0	81	12	US-10-424-599-168633	Sequence 168633, App	362	346	14	US-10-076-260-2	Sequence 2, Appl
290	30.0	60.0	88	11	US-09-833-248-233	Sequence 233, App	363	346	14	US-10-044-643-2	Sequence 2, Appl
291	30.0	60.0	88	12	US-10-424-599-175355	Sequence 175355, App	364	346	14	US-10-044-643-5	Sequence 5, Appl
292	30.0	60.0	91	15	US-09-867-550-910	Sequence 910, App	365	346	15	US-10-396-081-3	Sequence 3, Appl
293	30.0	60.0	92	15	US-10-170-096A-4	Sequence 4, Appl	366	346	15	US-10-369-493-11556	Sequence 11556, A
294	30.0	60.0	95	12	US-10-389-647-464	Sequence 464, App	367	346	15	US-10-369-493-14593	Sequence 14593, A
295	30.0	60.0	96	9	US-09-764-860-575	Sequence 575, App	368	346	15	US-10-369-493-14961	Sequence 14961, A
296	30.0	60.0	96	9	US-09-764-904-57	Sequence 57, App	369	346	15	US-10-310-172-192	Sequence 192, App
297	30.0	60.0	96	14	US-10-091-548-57	Sequence 57, App	370	354	9	US-09-738-626-6529	Sequence 6529, App
298	30.0	60.0	96	14	US-10-074-095-575	Sequence 575, App	371	377	10	US-09-967-237-87	Sequence 87, Appl
299	30.0	60.0	96	15	US-10-212-873-575	Sequence 575, App	372	380	14	US-10-017-161-2010	Sequence 2010, App
300	30.0	60.0	140	12	US-10-282-122A-75813	Sequence 75813, A	373	380	15	US-10-292-758-1656	Sequence 758, App
301	30.0	60.0	147	12	US-10-424-599-273326	Sequence 273326, App	374	380	16	US-10-344-738-75	Sequence 738, App
302	30.0	60.0	156	12	US-10-282-122A-57259	Sequence 57259, A	375	409	14	US-10-021-723A-8	Sequence 8, Appl
303	30.0	60.0	170	9	US-09-772-719-54	Sequence 54, App	376	421	12	US-10-282-122A-67837	Sequence 67837, A
304	30.0	60.0	180	12	US-10-424-599-255346	Sequence 255346, App	377	423	12	US-10-425-114-58542	Sequence 58542, A
305	30.0	60.0	205	9	US-09-234-717-19	Sequence 19, App	378	456	14	US-10-259-165-132	Sequence 132, App
306	30.0	60.0	205	14	US-10-185-567-19	Sequence 19, App	379	457	9	US-09-745-763-218	Sequence 218, App
307	30.0	60.0	215	12	US-10-210-172-198	Sequence 198, App	380				

Query Match 88.0%; Score 44; DB 10; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXKXPG 10
Db 1 EHWSYGLRPG 10

RESULT 2

US-10-184-126-1
; Sequence 1, Application US/10184126
; Publication No. US20020183257A1
; GENERAL INFORMATION:
; APPLICANT: EL TAYAR, Nabih
; APPLICANT: ZHAO, Xuan
; TITLE OF INVENTION: PEG-LHRH ANALOG CONJUGATES
; FILE REFERENCE: EL-TAYAR=2A
; CURRENT APPLICATION NUMBER: US/10/184,126
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: US/09/698,134
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: 60/083,340
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: PCT/US99/09160
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(1)
; OTHER INFORMATION: Glu is modified with a pyro group.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (10)..(10)
; OTHER INFORMATION: Gly is modified with -NH2 group.
US-10-184-126-1

Query Match 88.0%; Score 44; DB 13; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXKXPG 10
Db 1 EHWSYGLRPG 10

RESULT 3

US-10-115-553-1
; Sequence 1, Application US/10115553
; Publication No. US20030040482A1
; GENERAL INFORMATION:
; APPLICANT: Roeske, Roger W.
; TITLE OF INVENTION: LHRH Antagonist Peptides
; FILE REFERENCE: PPI-007CPUS
; CURRENT APPLICATION NUMBER: US/10/115,553
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/973,378
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-06
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/480,494
; PRIOR FILING DATE: EARLIER FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens

; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-115-553-1

Query Match 88.0%; Score 44; DB 14; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXKXPG 10
Db 1 EHWSYGLRPG 10

RESULT 4

US-10-122-483-1
; Sequence 1, Application US/10122483
; Publication No. US20030044936A1
; GENERAL INFORMATION:
; APPLICANT: Hwang, Jaulang
; APPLICANT: Hsu, Chia-Tse
; APPLICANT: Ting, Chun-Jen
; TITLE OF INVENTION: PEPTIDE REPEAT IMMUNOGENS
; FILE REFERENCE: 08919-071001
; CURRENT APPLICATION NUMBER: US/10/122,483
; CURRENT FILING DATE: 2002-07-15
; PRIOR APPLICATION NUMBER: 09/412,558
; PRIOR FILING DATE: 1999-10-05
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-122-483-1

Query Match 88.0%; Score 44; DB 14; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXKXPG 10
Db 1 EHWSYGLRPG 10

RESULT 5

US-10-117-364-1
; Sequence 1, Application US/10117364
; Publication No. US20030181385A1
; GENERAL INFORMATION:
; APPLICANT: Roeske, Roger W.
; TITLE OF INVENTION: LHRH Antagonist Peptides
; FILE REFERENCE: PPI-007CPUS
; CURRENT APPLICATION NUMBER: US/10/117,364
; CURRENT FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/08/973,378
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-06
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/480,494
; PRIOR FILING DATE: EARLIER FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-117-364-1

Query Match 88.0%; Score 44; DB 14; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXKXPG 10
Db 1 EHWSYGLRPG 10

RESULT 6

US-10-311-688-4
; Sequence 4, Application US/10311688
; Publication No. US20030191164A1
; GENERAL INFORMATION:
; APPLICANT: Yamanouchi Pharmaceutical Co., Ltd.
; TITLE OF INVENTION: PROPRANE-1,3-DIONE DERIVATIVE
; FILE REFERENCE: Q73475
; CURRENT APPLICATION NUMBER: US/10/311.688
; CURRENT FILING DATE: 2002-12-19
; PRIOR APPLICATION NUMBER: JPA P. 2000-204425
; PRIOR FILING DATE: 2000-07-05
; PRIOR APPLICATION NUMBER: JPA P. 2001-153372
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: PCT/JP01/05813
; PRIOR FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-311-688-4

Query Match 88.0%; Score 44; DB 14; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWXGXGXP 10
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DB 1 EHWYGLRPG 10

RESULT 7

US-10-353-160A-1
; Sequence 1, Application US/10353160A
; Publication No. US20040010033A1
; GENERAL INFORMATION:
; APPLICANT: Agouron Pharmaceuticals, Inc./A Pfizer Company
; TITLE OF INVENTION: No. US20040010033A1-Peptide GnRH Agonists, Methods And Intermediates
; FILE REFERENCE: 0059-02-US
; CURRENT APPLICATION NUMBER: US/10/353.160A
; CURRENT FILING DATE: 2003-01-27
; PRIOR APPLICATION NUMBER: 09/763,216
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/097,520
; PRIOR FILING DATE: 1998-08-20
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Gonadotropin-releasing hormone, also known as luteinizing hormone
; OTHER INFORMATION: -releasing hormone, which plays a central role in the biology of
; OTHER INFORMATION: reproduction.
US-10-353-160A-1

Query Match 88.0%; Score 44; DB 15; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWXGXGXP 10
||| |
DB 1 EHWYGLRPG 10

RESULT 8

US-10-298-378-1
; Sequence 1, Application US/10298378

Publication No. US20040022739A1
; GENERAL INFORMATION:
; APPLICANT: Daniels, John
; APPLICANT: Pike, Malcolm
; APPLICANT: Spicer, Darcy
; APPLICANT: Daniels, AnnaMarie
; TITLE OF INVENTION: Nasal Spray Formulation and Method
; FILE REFERENCE: 38931.8002.US00
; CURRENT APPLICATION NUMBER: US/10/298.378
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 60/400,575
; PRIOR FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: VARIANT
; LOCATION: 10
; OTHER INFORMATION: amino acid linked to NH2
US-10-298-378-1

Query Match 88.0%; Score 44; DB 16; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWXGXGXP 10
||| |
DB 1 EHWYGLRPG 10

RESULT 9

US-10-298-851-1
; Sequence 1, Application US/10298851
; Publication No. US20040023867A1
; GENERAL INFORMATION:
; APPLICANT: Daniels, John
; APPLICANT: Pike, Malcolm
; APPLICANT: Spicer, Darcy
; TITLE OF INVENTION: Methods and Compositions for Treating
; TITLE OF INVENTION: Benign Gynecological Disorders
; FILE REFERENCE: 38931-8001.US00
; CURRENT APPLICATION NUMBER: US/10/298.851
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 60/400,626
; PRIOR FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: VARIANT
; LOCATION: 10
; OTHER INFORMATION: amino acid linked to NH2
US-10-298-851-1

Query Match 88.0%; Score 44; DB 16; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWXGXGXP 10
||| |
DB 1 EHWYGLRPG 10

RESULT 10
 US-09-305-924-3
 ; Sequence 3, Application US/09305924A
 ; Publication No. US20030091575A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jack G. Manns
 ; APPLICANT: Stephen D. Acres
 ; APPLICANT: Richard Harland
 ; TITLE OF INVENTION: METHODS OF RAISING ANIMALS FOR MEAT PRODUCTION
 ; CURRENT APPLICATION NUMBER: US/09/305,924A
 ; CURRENT FILING DATE: 1999-05-05
 ; EARLIER APPLICATION NUMBER: US 60/084,217
 ; EARLIER FILING DATE: 1998-05-05
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 3
 ; LENGTH: 17
 ; TYPE: PRT
 ; ORGANISM: GRH
 US-09-305-924-3

Query Match 88.0%; Score 44; DB 10; Length 17;
 Best Local Similarity 70.0%; Pred. No. 0.67; Mismatches 0; Indels 3; Gaps 0;
 Matches 7; Conservative 0;

QY 1 EHWSXGXPG 10
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 DB 8 EHWSYGLRPG 17

RESULT 11
 US-09-964-201A-29
 ; Sequence 29, Application US/09964201A
 ; Publication No. US20030091575A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kenten, John H
 ; APPLICANT: Tramontano, Alfonso
 ; APPLICANT: Pilon, Aprile L
 ; APPLICANT: Lohnas, Gerald L
 ; APPLICANT: Roberts, Steven F
 ; TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
 ; FILE REFERENCE: U.S. Patent Application No. US20030091575A1 09\026,276
 ; CURRENT APPLICATION NUMBER: US/09/964,201A
 ; CURRENT FILING DATE: 2002-05-21
 ; NUMBER OF SEQ ID NOS: 35
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 29
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Porcine
 US-09-964-201A-29

Query Match 88.0%; Score 44; DB 10; Length 20;
 Best Local Similarity 70.0%; Pred. No. 0.77; Mismatches 0; Indels 3; Gaps 0;
 Matches 7; Conservative 0;

QY 1 EHWSXGXPG 10
 |||||
 DB 1 EHWSYGLRPG 10

RESULT 12
 US-09-964-201A-30
 ; Sequence 30, Application US/09964201A
 ; Publication No. US20030091575A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kenten, John H
 ; APPLICANT: Tramontano, Alfonso
 ; APPLICANT: Pilon, Aprile L
 ; APPLICANT: Lohnas, Gerald L
 ; APPLICANT: Roberts, Steven F

; TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
 ; FILE REFERENCE: U.S. Patent Application No. US20030091575A1 09\026,276
 ; CURRENT APPLICATION NUMBER: US/09/964,201A
 ; CURRENT FILING DATE: 2002-05-21
 ; NUMBER OF SEQ ID NOS: 35
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 30
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Porcine
 US-09-964-201A-30

Query Match 88.0%; Score 44; DB 10; Length 20;
 Best Local Similarity 70.0%; Pred. No. 0.77; Mismatches 0; Indels 3; Gaps 0;
 Matches 7; Conservative 0;

QY 1 EHWSXGXPG 10
 |||||
 DB 1 EHWSYGLRPG 10

RESULT 13
 US-09-964-201A-31
 ; Sequence 31, Application US/09964201A
 ; Publication No. US20030091575A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kenten, John H
 ; APPLICANT: Tramontano, Alfonso
 ; APPLICANT: Pilon, Aprile L
 ; APPLICANT: Lohnas, Gerald L
 ; APPLICANT: Roberts, Steven F
 ; TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
 ; FILE REFERENCE: U.S. Patent Application No. US20030091575A1 09\026,276
 ; CURRENT APPLICATION NUMBER: US/09/964,201A
 ; CURRENT FILING DATE: 2002-05-21
 ; NUMBER OF SEQ ID NOS: 35
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 31
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Porcine
 US-09-964-201A-31

Query Match 88.0%; Score 44; DB 10; Length 20;
 Best Local Similarity 70.0%; Pred. No. 0.77; Mismatches 0; Indels 3; Gaps 0;
 Matches 7; Conservative 0;

QY 1 EHWSXGXPG 10
 |||||
 DB 11 EHWSYGLRPG 20

RESULT 14
 US-10-076-674-7
 ; Sequence 7, Application US/10076674
 ; Publication No. US20030165478A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sokoll, Kenneth K.
 ; TITLE OF INVENTION: Stabilized Synthetic Immunogen Delivery System
 ; FILE REFERENCE: Immunogen Delivery System
 ; CURRENT APPLICATION NUMBER: US/10/076,674
 ; CURRENT FILING DATE: 2002-04-23
 ; NUMBER OF SEQ ID NOS: 11
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 7
 ; LENGTH: 27
 ; TYPE: PRT
 ; ORGANISM: Human
 US-10-076-674-7

Query Match 88.0%; Score 44; DB 14; Length 27;
 Best Local Similarity 70.0%; Pred. No. 1; Mismatches 0; Indels 3; Gaps 0;
 Matches 7; Conservative 0;

```
QY 1 EHWSXGXPG 10
  |||||
Db 18 EHWSYGLRPG 27

RESULT 15
US-10-355-161A-7
; Sequence 7, Application US/10355161A
; Publication No. US20040009897A1
; GENERAL INFORMATION:
; APPLICANT: Sokoll, Kenneth K.
; TITLE OF INVENTION: Stabilized Synthetic Immunogen Delivery System
; FILE REFERENCE: Immunogen Delivery System
; CURRENT APPLICATION NUMBER: US/10/355,161A
; CURRENT FILING DATE: 2003-01-31
; PRIOR APPLICATION NUMBER: US 10/076674
; PRIOR FILING DATE: 2002-02-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Human
US-10-355-161A-7

Query Match      88.0%; Score 44; DB 15; Length 27;
Best Local Similarity 70.0%; Pred. No. 1;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSXGXPG 10
  |||||
Db 18 EHWSYGLRPG 27

RESULT 16
US-10-076-674-8
; Sequence 8, Application US/10076674
; Publication No. US20030165478A1
; GENERAL INFORMATION:
; APPLICANT: Sokoll, Kenneth K.
; TITLE OF INVENTION: Stabilized Synthetic Immunogen Delivery System
; FILE REFERENCE: Immunogen Delivery System
; CURRENT APPLICATION NUMBER: US/10/076,674
; CURRENT FILING DATE: 2002-04-23
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 45
; TYPE: PRT
; ORGANISM: Human
US-10-076-674-8

Query Match      88.0%; Score 44; DB 14; Length 45;
Best Local Similarity 70.0%; Pred. No. 1.6;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSXGXPG 10
  |||||
Db 36 EHWSYGLRPG 45

RESULT 17
US-10-076-674-9
; Sequence 9, Application US/10076674
; Publication No. US20030165478A1
; GENERAL INFORMATION:
; APPLICANT: Sokoll, Kenneth K.
; TITLE OF INVENTION: Stabilized Synthetic Immunogen Delivery System
; FILE REFERENCE: Immunogen Delivery System
; CURRENT APPLICATION NUMBER: US/10/076,674
; CURRENT FILING DATE: 2002-04-23
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 45
; TYPE: PRT
; ORGANISM: Human
US-10-076-674-9

Query Match      88.0%; Score 44; DB 15; Length 45;
Best Local Similarity 70.0%; Pred. No. 1.6;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSXGXPG 10
  |||||
Db 36 EHWSYGLRPG 45

RESULT 18
US-10-355-161A-8
; Sequence 8, Application US/10355161A
; Publication No. US20040009897A1
; GENERAL INFORMATION:
; APPLICANT: Sokoll, Kenneth K.
; TITLE OF INVENTION: Stabilized Synthetic Immunogen Delivery System
; FILE REFERENCE: Immunogen Delivery System
; CURRENT APPLICATION NUMBER: US/10/355,161A
; CURRENT FILING DATE: 2003-01-31
; PRIOR APPLICATION NUMBER: US 10/076674
; PRIOR FILING DATE: 2002-02-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 45
; TYPE: PRT
; ORGANISM: Human
US-10-355-161A-8

Query Match      88.0%; Score 44; DB 15; Length 45;
Best Local Similarity 70.0%; Pred. No. 1.6;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSXGXPG 10
  |||||
Db 36 EHWSYGLRPG 45

RESULT 19
US-10-355-161A-9
; Sequence 9, Application US/10355161A
; Publication No. US20040009897A1
; GENERAL INFORMATION:
; APPLICANT: Sokoll, Kenneth K.
; TITLE OF INVENTION: Stabilized Synthetic Immunogen Delivery System
; FILE REFERENCE: Immunogen Delivery System
; CURRENT APPLICATION NUMBER: US/10/355,161A
; CURRENT FILING DATE: 2003-01-31
; PRIOR APPLICATION NUMBER: US 10/076674
; PRIOR FILING DATE: 2002-02-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 45
; TYPE: PRT
; ORGANISM: Human
US-10-355-161A-9

Query Match      88.0%; Score 44; DB 15; Length 45;
Best Local Similarity 70.0%; Pred. No. 1.6;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSXGXPG 10
  |||||
Db 36 EHWSYGLRPG 45
```

RESULT 20
US-09-019-010-2
; Sequence 2, Application US/09019010
; Patent No. US20010014330A1
; GENERAL INFORMATION:
; APPLICANT: MANN, RICHARD
; APPLICANT: MANN, JOHN G.
; APPLICANT: ACRES, STEPHEN D.
; TITLE OF INVENTION: IMMUNIZATION AGAINST ENDOGENOUS
; MOLECULES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROBINS & ASSOCIATES
; STREET: 90 MIDDLEFIELD ROAD, SUITE 200
; CITY: MENLO PARK
; STATE: CA
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/019,010
; FILING DATE: 05-FEB-1998
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/036,883
; FILING DATE: 05-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: MCCracken, THOMAS P.
; REGISTRATION NUMBER: 38,548
; REFERENCE/DOCKET NUMBER: 9001-0035
; TELEPHONE: (650) 325-7812
; TELEFAX: (650) 325-7823
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-019-010-2

Query Match 82.0%; Score 41; DB 9; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 1 EHWSXGXPG 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 21
US-09-964-201A-32
; Sequence 32, Application US/09964201A
; Publication No. US20030091575A1
; GENERAL INFORMATION:
; APPLICANT: Kanten, John H
; APPLICANT: Tramontano, Alfonso
; APPLICANT: Pilon, Aprile L
; APPLICANT: Lohnes, Gerald L
; APPLICANT: Roberts, Steven F
; TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
; FILE REFERENCE: U.S. Patent Application No. US20030091575A1 09\026,276
; CURRENT APPLICATION NUMBER: US/09/964,201A
; CURRENT FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 32
; LENGTH: 10

; TYPE: PRT
; ORGANISM: Porcine
US-09-964-201A-32
Query Match 82.0%; Score 41; DB 10; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 1 EHWSXGXPG 10
:|||||
Db 1 QHWSYGLRPG 10
RESULT 22
US-09-305-924-9
; Sequence 9, Application US/09305924A
; Publication No. US20030091579A1
; GENERAL INFORMATION:
; APPLICANT: Jack G. Manns
; APPLICANT: Stephen D. Acres
; APPLICANT: Richard Harland
; TITLE OF INVENTION: METHODS OF RAISING ANIMALS FOR MEAT PRODUCTION
; FILE REFERENCE: 9001-0048
; CURRENT APPLICATION NUMBER: US/09/305,924A
; CURRENT FILING DATE: 1999-05-05
; EARLIER APPLICATION NUMBER: US 60/084,217
; EARLIER FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 9
; LENGTH: 10
; TYPE: PRT
; ORGANISM: GnRH
US-09-305-924-9

Query Match 82.0%; Score 41; DB 10; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 1 EHWSXGXPG 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 23
US-10-351-641-1143
; Sequence 1143, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1143
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide

US-10-351-641-1143

Query Match 82.0%; Score 41; DB 14; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSXGXPG 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 24

US-10-351-641-1309
; Sequence 1309, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S. K.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; PRIOR FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1309
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1309

Query Match 82.0%; Score 41; DB 14; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSXGXPG 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 25

US-10-351-641-1344
; Sequence 1344, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S. K.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; PRIOR FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1344
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1344

Query Match 82.0%; Score 41; DB 14; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSXGXPG 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 26

US-10-360-101-1
; Sequence 1, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH1 sequence
US-10-360-101-1

Query Match 82.0%; Score 41; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSXGXPG 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 27

US-10-360-101-299
; Sequence 299, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 299
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH1 analogue
US-10-360-101-299

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Query Match      82.0%; Score 41; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHSXGXKPG 10
Db 1 QHWSYGLRPG 10

RESULT 28
US-10-617-561-9
; Sequence 9, Application US/10617561
; Publication No. US20040018967A1
; GENERAL INFORMATION:
; APPLICANT: La. State Univ. & Mech. Coll., Board of Supervisors
; Enright, Frederick M.
; Jaynes, Jesse M.
; Hanceel, William
; Koonce, Kenneth L.
; McCann, Samuel M.
; Yu, Wen H.
; Melrose, Patricia A.
; Foil, Lane D.
; Elzer, Philip H.
; TITLE OF INVENTION: Ligand/Lytic Peptide Compositions and
; Methods of Use
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. Runnels
; STREET: P. O. Box 2471
; CITY: Baton Rouge
; STATE: LA
; COUNTRY: USA
; ZIP: 70821-2471
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/617,561
; FILING DATE: 11-Jul-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/381,879
; FILING DATE: 25-Aug-1999
; ATTORNEY/AGENT INFORMATION:
; NAME: Runnels, John H.
; REGISTRATION NUMBER: 33,451
; REFERENCE/DOCKET NUMBER: 96A3.2-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..10
; OTHER INFORMATION: /note= "This sequence is a modified
; GNRH."
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-10-617-561-9

Query Match      82.0%; Score 41; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHSXGXKPG 10
Db 1 QHWSYGLRPG 10

Query Match      82.0%; Score 41; DB 13; Length 11;
Best Local Similarity 60.0%; Pred. No. 1.5;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHSXGXKPG 10
Db 2 QHWSYGLRPG 11

RESULT 29
US-10-044-034-17
; Sequence 17, Application US/10044034
; Publication No. US20020169264A1
; GENERAL INFORMATION:
; APPLICANT: JACKSON, DAVID C.
; APPLICANT: O'BRIEN-SIMPSON, NEIL M.
; APPLICANT: BROWN, LORENA E.
; APPLICANT: EDE, NICHOLAS J.
; APPLICANT: BRANDT, EVELYN R.
; APPLICANT: GOOD, MICHAEL F.
; TITLE OF INVENTION: POLYMERS INCORPORATING PEPTIDES
; FILE REFERENCE: FIRC:006
; CURRENT APPLICATION NUMBER: US/10/044,034
; CURRENT FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: P05071
; PRIOR FILING DATE: 1997-02-11
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 11
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptides
US-10-044-034-17

Query Match      82.0%; Score 41; DB 14; Length 18;
Best Local Similarity 60.0%; Pred. No. 2.3;

Qy 1 EHSXGXKPG 10
Db 1 QHWSYGLRPG 10

RESULT 30
US-10-351-641-1146
; Sequence 1146, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1146
; LENGTH: 18
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1146

Query Match      82.0%; Score 41; DB 14; Length 18;
Best Local Similarity 60.0%; Pred. No. 2.3;

Qy 1 EHSXGXKPG 10
Db 1 QHWSYGLRPG 10
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Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
:|||||
Db 5 QHWSYGLRPG 14

RESULT 31
US-10-351-641-1147
; Sequence 1147, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1147
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1147

Query Match 82.0%; Score 41; DB 14; Length 18;
Best Local Similarity 60.0%; Pred. No. 2.3;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
:|||||
Db 5 QHWSYGLRPG 14

RESULT 32
US-10-351-641-1148
; Sequence 1148, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1148
; LENGTH: 18
; TYPE: PRT

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1148

Query Match 82.0%; Score 41; DB 14; Length 18;
Best Local Similarity 60.0%; Pred. No. 2.3;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
:|||||
Db 5 QHWSYGLRPG 14

RESULT 33
US-10-351-641-1172
; Sequence 1172, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1172
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1172

Query Match 82.0%; Score 41; DB 14; Length 18;
Best Local Similarity 60.0%; Pred. No. 2.3;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
:|||||
Db 5 QHWSYGLRPG 14

RESULT 34
US-10-351-641-1173
; Sequence 1173, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20

```

; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1173
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1173

Query Match      82.0%; Score 41; DB 14; Length 18;
Best Local Similarity 60.0%; Pred. No. 2.3;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXXPG 10
   :|||:|||
Db 5 QHWSYGLRPG 14

RESULT 35
US-09-964-201A-26
; Sequence 26, Application US/09964201A
; Publication No. US20030091575A1
; GENERAL INFORMATION:
; APPLICANT: Kencen, John H
; APPLICANT: Tramontano, Alfonso
; APPLICANT: Pilon, Aprille L
; APPLICANT: Lohnas, Gerald F
; APPLICANT: Roberts, Steven F
; TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
; FILE REFERENCE: U.S. Patent Application No. US20030091575A1 09/026,276
; CURRENT APPLICATION NUMBER: US/09/964,201A
; CURRENT FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Porcine
US-09-964-201A-26

Query Match      82.0%; Score 41; DB 10; Length 20;
Best Local Similarity 60.0%; Pred. No. 2.5;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXXPG 10
   :|||:|||
Db 1 QHWSYGLRPG 10

RESULT 36
US-10-351-641-1145
; Sequence 1145, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR FILING DATE: 1999-05-20
; PRIOR FILING DATE: 1998-05-20
; PRIOR FILING DATE: 1998-05-20

```

```

; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1145
; LENGTH: 22
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1145

Query Match      82.0%; Score 41; DB 14; Length 22;
Best Local Similarity 60.0%; Pred. No. 2.7;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXXPG 10
   :|||:|||
Db 9 QHWSYGLRPG 18

RESULT 37
US-10-351-641-1144
; Sequence 1144, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1144
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1144

Query Match      82.0%; Score 41; DB 14; Length 26;
Best Local Similarity 60.0%; Pred. No. 3.2;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXXPG 10
   :|||:|||
Db 9 QHWSYGLRPG 18

RESULT 38
US-10-617-561-3
; Sequence 3, Application US/10617561
; Publication No. US20040018967A1
; GENERAL INFORMATION:
; APPLICANT: La. State Univ. & Mech. Coll., Board of Supervisors
; Enright, Frederick M.
; Jaynes, Jesse M.
; Hansel, William
; Koonce, Kenneth L.
; McCann, Samuel M.
; Yu, Wen H.
; Melrose, Patricia A.
; Poil, Lane D.

```

Elzer, Philip H.
TITLE OF INVENTION: Ligand/Lytic Peptide Compositions and Methods of Use
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/617,561
FILING DATE: 11-Jul-2003
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/381,879
FILING DATE: 25-Aug-1999
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REGISTRATION NUMBER: 33,451
REFERENCE/DOCKET NUMBER: 96A3.2-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 33 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..33
OTHER INFORMATION: /note= "This sequence is a GcRH/hecate fusion peptide."
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-617-561-3
Query Match 82.0%; Score 41; DB 15; Length 33;
Best Local Similarity 60.0%; Pred. No. 3.9;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 1 EHWSGXGXP 10
DB 1 QHWSYGLRPG 10
RESULT 39
US-10-617-561-4
Sequence 4, Application US/10617561
Publication No. US20040018967A1
GENERAL INFORMATION:
APPLICANT: La. State Univ. & Mech. Coll., Board of Supervisors
Enright, Frederick M.
Jaynes, Jesse M.
Hansel, William
Koonce, Kenneth L.
McCann, Samuel M.
Yu, Wen H.
Melrose, Patricia A.
Foill, Lane D.
Elzer, Philip H.
TITLE OF INVENTION: Ligand/Lytic Peptide Compositions and Methods of Use
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels

STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/617,561
FILING DATE: 11-Jul-2003
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/381,879
FILING DATE: 25-Aug-1999
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REGISTRATION NUMBER: 33,451
REFERENCE/DOCKET NUMBER: 96A3.2-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 33 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..33
OTHER INFORMATION: /note= "This sequence is a hecate/modified GcRH fusion peptide."
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-617-561-4
Query Match 82.0%; Score 41; DB 15; Length 33;
Best Local Similarity 60.0%; Pred. No. 3.9;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 1 EHWSGXGXP 10
DB 24 QHWSYGLRPG 33
RESULT 40
US-09-964-201A-35
Sequence 35, Application US/09964201A
Publication No. US20030091575A1
GENERAL INFORMATION:
APPLICANT: Kenten, John H
APPLICANT: Tramontano, Alfonso
APPLICANT: Pilon, Aprile L
APPLICANT: Lohnas, Gerald L
APPLICANT: Roberts, Steven F
TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
FILE REFERENCE: U.S. Patent Application No. US20030091575A1 09\026,276
CURRENT APPLICATION NUMBER: US/09/964,201A
CURRENT FILING DATE: 2002-05-21
NUMBER OF SEQ ID NOS: 35
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 35
LENGTH: 40
TYPE: PRT
ORGANISM: Porcine
US-09-964-201A-35
Query Match 82.0%; Score 41; DB 10; Length 40;
Best Local Similarity 60.0%; Pred. No. 4.6;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

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; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 49 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-019-010-4

Query Match      82.0%; Score 41; DB 9; Length 49;
Best Local Similarity 60.0%; Pred. No. 5.6;
Matches 6; Conservative 1; Mismatches 3; Indels 0;

QY      1 EHWXGXYPG 10
      :|||:|
DB      1 QHWSYGLRPG 10

RESULT 43
US-09-305-924-11
; Sequence 11, Application US/09305924A
; Publication No. US20030091579A1
; GENERAL INFORMATION:
; APPLICANT: Jack G. Manns
; APPLICANT: Stephen D. Acres
; APPLICANT: Richard Harland
; TITLE OF INVENTION: METHODS OF RAISING ANIMALS FOR MEAT PRODUCTION
; FILE REFERENCE: 9001-0048
; CURRENT APPLICATION NUMBER: US/09/305,924A
; CURRENT FILING DATE: 1999-05-05
; EARLIER APPLICATION NUMBER: US 60/084,217
; EARLIER FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 49
; TYPE: PRT
; ORGANISM: GNRH
US-09-305-924-11

Query Match      82.0%; Score 41; DB 10; Length 49;
Best Local Similarity 60.0%; Pred. No. 5.6;
Matches 6; Conservative 1; Mismatches 3; Indels 0;

QY      1 EHWXGXYPG 10
      :|||:|
DB      1 QHWSYGLRPG 10

RESULT 44
US-09-305-924-13
; Sequence 13, Application US/09305924A
; Publication No. US20030091579A1
; GENERAL INFORMATION:
; APPLICANT: Jack G. Manns
; APPLICANT: Stephen D. Acres
; APPLICANT: Richard Harland
; TITLE OF INVENTION: METHODS OF RAISING ANIMALS FOR MEAT PRODUCTION
; FILE REFERENCE: 9001-0048
; CURRENT APPLICATION NUMBER: US/09/305,924A
; CURRENT FILING DATE: 1999-05-05
; EARLIER APPLICATION NUMBER: US 60/084,217
; EARLIER FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 695
; TYPE: PRT
; ORGANISM: GNRH
US-09-305-924-13

Query Match      82.0%; Score 41; DB 10; Length 695;
Best Local Similarity 60.0%; Pred. No. 59;
Matches 6; Conservative 1; Mismatches 3; Indels 0;

```

Qy 1 EHWSXGXPG 10
:|||||
Db 9 QHWSYGLRPG 18

RESULT 45

US-10-354-433-2
; Sequence 2, Application US/10354433
; Publication No. US20030236185A1
; GENERAL INFORMATION:
; APPLICANT: Chatterjee, Abhijit
; APPLICANT: Ray, Partha
; APPLICANT: Dasgupta, Subrata
; APPLICANT: Bhattacharya, Samir
; APPLICANT: Pasha, Santosh
; TITLE OF INVENTION: NOVEL TWO GONADOTROPIN RELEASING HORMONES AND A METHOD TO ISOLATE
; FILE REFERENCE: U 013858-6
; CURRENT APPLICATION NUMBER: US/10/354,433
; CURRENT FILING DATE: 2003-01-28
; PRIOR APPLICATION NUMBER: 60/353,041
; PRIOR FILING DATE: 2002-01-30
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 10
; TYPE: PRT
; ORGANISM: channa punctatus
US-10-354-433-2

Query Match 80.0%; Score 40; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 2;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXPG 10
:|||||
Db 1 QHWSGILPG 10

RESULT 46

US-10-360-101-2
; Sequence 2, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH2 sequence
US-10-360-101-2

Query Match 80.0%; Score 40; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 2;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXPG 10
:|||||
Db 1 QHWSHGWTPE 10

RESULT 47

US-10-360-101-126
; Sequence 126, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 126
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,C7)-sequence of LHRH1
US-10-360-101-126

Query Match 80.0%; Score 40; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 2;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXPG 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 48

US-10-360-101-136
; Sequence 136, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 136
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,C8)-sequence of LHRH1
US-10-360-101-136

Query Match 80.0%; Score 40; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 2;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXPG 10
:|||||
Db 1 QHWSYGLCPG 10

RESULT 49

US-10-360-101-303
; Sequence 303, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
US-10-360-101-303

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; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 303
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LRRH1 analogue
; NAME/KEY: SITE
; LOCATION: (4)..(6)
; OTHER INFORMATION: No. US20040009550A1e = "A" on pos. 4 and 6 are linked by "S"
US-10-360-101-303
```

```
Query Match      80.0%; Score 40; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 2;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
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```
Qy      1 EHWSXGXXPG 10
        :|||:|||
Db      1 QWWSHGWWPG 10
```

```
RESULT 50
US-10-360-101-304
; Sequence 304, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 304
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LRRH2 analogue
US-10-360-101-304
```

```
Query Match      80.0%; Score 40; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 2;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
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Qy      1 EHWSXGXXPG 10
        :|||:|||
Db      1 QWWSHGWWPG 10
```

Search completed: March 17, 2004, 22:01:00
Job time : 38 secs